

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A microwave generator (11) with a short-circuit spark gap (13) between collinearly arranged spark gap electrodes (14-15), wherein the spark gap (13) is in the form of an untriggered short-circuit switch with a ~~pointed~~ second electrode (15) ~~[[and is]]~~ arranged opposite an electrode (14) which is in the form of a spherical cap and by which a charge storage means (43) having a pot-shaped outer electrode (45) is dischargeable, through the end portion (41) of which electrode (45) there projects the ~~pointed~~ second electrode (15), and in concentric relationship therewith an inner electrode (48) which is bulbous in a bottle shape and the end portion of which is the spherical cap-shaped electrode (14) and is connected collinearly through a bottle neck-shaped reduced portion (17) thereof to a frustoconical radiating device (18) disposed substantially outside of the outer electrode (45), ~~wherein said second electrode (15) being a pointed electrode, and~~ a plurality of such microwave generators (11) ~~[[are]]~~ being arranged in a group (10) and which are electrically connected in parallel with each other with their charge storage means (43).

2. (Previously Presented) A microwave generator according to claim 1 the inner electrode (48) adjoins the smaller base of the radiating device (18) through a bottle neck-shaped reduced portion (17) thereof and extends into the region of the reduced portion (17) between the outer electrode (45).

3. (Previously Presented) A microwave generator according to claim 1 wherein various of the spark gaps (13) are adjusted to mutually different response behaviors.
4. (Previously Presented) A microwave generator according to claim 1, wherein said charge storage means (43) are adjusted to different capacitances.
5. (Previously Presented) A microwave generator according to claim 1, wherein individual ones of the charge storage means (43) are charged up inductively delayed in relation to others from a capacitor array (33).
6. (Previously Presented) A microwave generator according to claim 1, wherein the radiating devices (18) are arranged at an internal spacing in front of a common reflector plate (50).
7. (Previously Presented) A microwave generator according to claim 6, wherein individual said radiating devices (18) are arranged at differing distances in front of the reflector plate (50).
8. (Previously Presented) A microwave generator according to claim 1, wherein the pointed electrode (15) of the spark gap (13) is adjustable with respect to the cap-shaped electrode (14) through the end portion (41) of the pot-shaped outer electrode (45).

9. (Previously Presented) A microwave generator according to claim 1, wherein the outer electrodes (45) by their end portions (41) and the inner electrodes (48) by the radiating devices (18) are structurally held to mounting brackets (46 and 47 respectively) and are electrically connected in parallel with each other.